

<b>FORM PTO-1449 (Modified)</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT(S)' INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	<b>ATTY. DOCKET NO.</b>  14918-707 CPA4	<b>SERIAL NO.</b>  08/846,933	RECEIVED TECH CENTER 1500/2000 99 AUG - 6 AM 10:30
	<b>APPLICANT</b> Cleland et al.		
	<b>FILING DATE</b> April 30, 1997	<b>GROUP ART UNIT</b> 1641	

**REFERENCE DESIGNATION**
**U.S. PATENT DOCUMENTS**

EXAMR INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	Subclass	Filing Date If Appropriate
VR	1	3,565,559	02.23.71	Sato et al.	424	37	
VR	2	3,737,337	06.05.73	Schnoring et al.	117	100	
VR	*3	4,293,539	10.06.91	Ludwig et al.	424	19	
VR	4	4,389,330	06.21.83	Tice et al.	427	213.36	
VR	*5	4,524,067	06.18.85	Archi et al.	514	33	
VR	6	4,568,559	02.04.86	Nuwayser et al.	427	3	
VR	7	4,637,905	01.20.87	Gardner	264	4.3	
VR	*8	4,652,441	03.24.87	Okada et al.	424	19	
VR	9	4,675,189	06.23.87	Kent et al.	424	490	
VR	*10	4,719,246	01.12.88	Murdoch et al.	521	134	
VR	*11	4,728,721	03.01.88	Yamamoto et al.	528	361	
VR	*12	4,767,628	08.30.88	Hutchinson et al.	424	426	
VR	*13	4,849,228	07.18.89	Yamamoto et al.	424	457	
VR	*14	4,897,268	01.30.90	Tice et al.	424	422	
VR	*15	4,902,515	02.20.90	Loomis et al.	424	486	
VR	*16	4,917,893	04.17.90	Okada et al.	424	423	
VR	17	4,919,929	04.24.90	Beck et al.	424	88	
VR	*18	4,954,298	09.04.90	Yamamoto et al.	264	4.6	
VR	*19	4,962,091	10.09.90	Eppstein et al.	514	2	
VR	*20	4,990,336	02.05.91	Silvestri et al.	424	426	
VR	*21	5,008,116	04.16.91	Cahn	424	491	
VR	22	5,015,476	05.14.91	Cochrum et al.	424	423	
VR	*23	5,057,540	10.15.91	Kensil et al.	514	25	
VR	24	5,068,112	11.26.91	Samejima, et al.	424	495	
VR	*25	5,075,109	12.24.91	Tice et al.	424	88	
VR	26	5,100,669	03.31.92	Hyon et al.	424	426	
VR	27	5,126,147	06.30.92	Silvestri et al.	424	497	

EXAMINER <i>V.R.</i>	DATE CONSIDERED <i>10/99</i>
<b>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant(s).</b>	

	<b>ATTY. DOCKET NO.</b>	<b>SERIAL NO.</b>
	14918-707 CPA4	08/846,933
	<b>APPLICANT</b> Cleland et al.	
	<b>FILING DATE</b> April 30, 1997	<b>GROUP ART UNIT</b> 1641

RECEIVED  
 TECH CENTER 1500  
 99 APR - 5 AM 10:36

VR	*28	5,198,533	03.30.93	Schally et al.	530	313	
VR	29	5,242,686	09.07.93	Chu et al.	424	92	
VR	30	5,348,867	09.20.94	Georgiou et al.	435	69.7	
VR	31	5,624,612	04.29.97	Sewall et al.	264	4.1	
VR	32	5,643,605	07/01/97	Cleland et al.	424	489	
VR	33	5,667,808	09/16/97	Johnson et al.	424	501	

#### FOREIGN PATENT DOCUMENTS

EXAM'R INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	Subclass	TRANSLATN	
							yes	no
Not Available	*34	<del>7,992,987</del>	<del>04.01.88</del>	<del>AU (abstract only)</del>				
VR	35	266,119 A2	05.04.88	EPO				
VR	*36	279,688 A2	08.24.88	EPO				
VR	*37	333,523 A2	09.20.89	EPO				
VR	38	399,843 A2	11.28.90	EPO				
VR	*39	442,671 A2	08.21.91	EPO				
VR	*40	WO 90/03984	04.19.90	PCT				
VR	41	WO 90/09166	08.23.90	PCT				
VR	42	WO 91/12882	09.05.91	PCT				
VR	*43	WO 91/15238	10.17.91	PCT				
VR	44	WO 93/07861	04.29.93	PCT				
Not Available	45	<del>8,803,621</del>	<del>04.13.90</del>	<del>SE</del>				

#### OTHER ART (Include Author, Title, Date, Pertinent Pages, etc.)

VR	*46	Arthur et al., "Challenge of chimpanzees (Pan troglodytes) immunized with human immunodeficiency virus envelope glycoprotein gp120" <u>Journal of Virology</u> 63 (12) : 5046-5053 (1989)
VR	*47	Berman et al., "Human Immunodeficiency virus type 1 challenge of chimpanzees immunized with recombinant envelope glycoprotein gp120" <u>Proc. Natl. Acad. Sci. USA</u> 85(14) : 5200-5204 (July 1988)
VR	*48	Chang et al., "Biodegradable Semipermeable Microcapsules Containing Enzymes, Hormone, Vaccines, and Other Biologicals" <u>J. Bioengineering</u> 1:25-32 (1976)

EXAMINER <u>V. R.</u>	DATE CONSIDERED <u>10/99</u>
<b>EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant(s).	

<b>FORM PTO-1449 (Modified)</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT(S)' INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	<b>ATTY. DOCKET NO.</b>  14918-707 CPA4	<b>SERIAL NO.</b>  08/846,933
	<b>APPLICANT</b> Cleland et al.	
	<b>FILING DATE</b> April 30, 1997	<b>GROUP ART UNIT</b> 1641

RECEIVED  
 TECH CENTER 1600/1900  
 99 AUG - 6 AM 11:37

	*49	Chen Science 262:980-981 (1993)
VR	50	Cohen, J., "Jitters Jeopardize AIDS Vaccine Trials" Science 262:980-981 (1993)
VR	*51	Cowsar et al., "Poly (lactide-co-glycolide) Microcapsules for Controlled Release of Steroids" Methods in Enzymology 112 (Drug and Enzyme Targ) 101-116 (1985)
VR	*52	Eldridge et al., "Biodegradable and Biocompatible Poly (DL-lactide-Co-Glycolide) Microspheres as an Adjuvant for Staphylococcal Enterotoxin B Toxoid Which Enhances the Level of Toxin Neutralizing Antibodies" Infection and Immunity 59(9):2978-86 (1991)
VR	*53	Eldridge et al., "Biodegradable Poly (DL-lactide-coglycolide) Microspheres" Res. Immunol. 143(5) 557-63 (1992)
VR	54	Esparza et al., "Parameters Affecting the Immunogenicity of Microencapsulated Tetanus Toxoid" Vaccine 10(10): 714-720 (1992)
VR	*55	Glaser, V., "Solving the HIV Vaccine Puzzle: Questions Still Outnumber the Answers" Genetic Engineering News pps. 15-30 (November 1, 1993)
VR	56	Hora, et al., "Release of Human Serum Albumin from Poly(lactide-co-glycolide) Microspheres" Pharmaceutical Research 7(11):1190-1194 (1990)
VR	*57	Hu et al., "Effect of immunization with a vaccinia-HIV env recombinant on HIV infection of chimpanzees" Nature 328 (6132):721-723 (August 1987)
VR	*58	Kensil et al., "Development of a genetically engineered vaccine against feline leukemia virus infection" J. Amer. Veterinary Med. Assoc. 199(10):1423-1427 (1991)
VR	59	Kohn et al., "Single Step Immunization Using a Controlled Release, Biodegradable Polymer With Sustained Adjuvant Activity" J. Immun. Methods 95:31-38 (1986)
VR	*60	Maulding, "Prolonged Delivery of Peptides by Microcapsules" J. of Controlled Release 6:167-176 (1987)
VR	61	Nellore et al., "Evaluation of Biodegradable Microspheres as Vaccine Adjuvant for Hepatitis B Surface Antigen" Journal of Parenteral Science & Technology, Vol. 46, No. 5: 176-180 (September-October 1992)
Not Available	*62	Nunberg et al., "Adjuvant Formulations to Increase the Virus-neutralizing Antibody Response to HIV-1 rgp120 Subunit Vaccine" Vaccines (Annu. Meet.), Norrby et al., 11th edition, N.Y.: Cold Spring Harbor Lab Vol. 94:23-27 (Mod. Approaches New 1994).

EXAMINER <u>VR</u>	DATE CONSIDERED <u>10/99</u>
<b>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant(s).</b>	

	<b>ATTY. DOCKET NO.</b>	<b>SERIAL NO.</b>
	14918-707 CPA4	08/846,933
	<b>APPLICANT</b> Cleland et al.	
	<b>FILING DATE</b> April 30, 1997	<b>GROUP ART UNIT</b> 1641

VR	*63	O'Hagan et al., "Biodegradable Microparticles as Controlled Release Antigen Delivery System" <u>Immunology</u> 73(2):239-242 (1991)
VR	64	Payne et al., "Water Soluble Phosphazene Polymers for Parenteral and Mucosal Vaccine Delivery" <u>Vaccine Design: The Subunit Adjuvant Approach</u> , Powell et al., New York, NY: Plenum Press Vol. 6:473-493 (1995)
VR	65	Preis, "A Single-step Immunization by Sustained Antigen Release" <u>J. Immun. Methods</u> 28:193-197 (1979)
VR	*66	Putney, S., "How Antibodies Block HIV Infection: Paths to an AIDS Vaccine" <u>TIBS</u> 17:191-196 (1992)
VR	67	Singh et al., "Controlled Delivery of Diphtheria Toxoid Using Biodegradable Poly (D,L lactide) Microcapsules" <u>Pharmaceutical Research</u> 8(7): 958-961 (1991)
VR	*68	Tabata et al., "Activation of Macrophage in Vitro to Acquire Antitumor Activity by a Muramyl Dipeptide Derivative Encapsulated in Microspheres Composed of Lactide Copolymer" <u>Journal of Controlled Release</u> 6:189-204 (1987)
VR	69	Watts et al., "Microencapsulation Using Emulsification/Solvent Evaporation: An Overview of Techniques and Applications" <u>Critical Reviews in therapeutic Drug Carrier Systems</u> , Vol. 7, Issue 3: 235-259 (1990)
VR	*70	White et al., "A purified Saponin Acts as an Adjuvant for a T-independent Antigen" <u>Immunobiology of Proteins and Peptides VI</u> , M.Z. Atassi, New York:Plenum Press pps. 207-210 (1991)
VR	*71	Wu et al., "Saponin Adjuvant Enhancement of Antigen-Specific Immune Responses To An Experimental HIV-1 Vaccine" <u>J. of Immuno.</u> 148(5):1519-1525 (1992)

EXAMINER <u>V. R.</u>	DATE CONSIDERED <u>16/99</u>
<b>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant(s).</b>	